

From: Cynthia Caporale/ESC/R3/USEPA/US
Sent: 2/24/2012 11:06:59 AM

To: John Bourbon/R2/USEPA/US@EPA
CC:
Subject: Fw: EXTERNAL: Re: Fw: Verification/Completeness Check for Files 12027b_rsk 175.pdf, 12027B_tph_purgeable.pdf and 1202b_extractable.pdf (Posted Feb 13)

FYI

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
Fort Meade, MD
(410) 305-2732
Fax: (410) 305-3095

----- Forwarded by Cynthia Caporale/ESC/R3/USEPA/US on 02/24/2012 10:43 AM -----

From: Richard Bauer/R9/USEPA/US
To: Ex. 4 - CBI
Cc: Cynthia Caporale/ESC/R3/USEPA/US@EPA, Robin Costas/ESC/R3/USEPA/US@EPA, Stevie Wilding/ESC/R3/USEPA/US
Date: 02/24/2012 10:37 AM
Subject: RE: EXTERNAL: Re: Fw: Verification/Completeness Check for Files 12027b_rsk 175.pdf, 12027B_tph_purgeable.pdf and 1202b_extractable.pdf (Posted Feb 13)

No problem. If you will be reviewing more reports please feel free to ask for copies of whatever you need that is not included in the report. I have the full raw data packages all scanned and can send whatever is helpful to clarify any questions you have.

Richard Bauer
U.S. EPA Region 9 Laboratory
1337 South 46th Street, Bldg 201
Richmond, CA 94804
(510) 412-2312

From: Ex. 4 - CBI
To: Richard Bauer/R9/USEPA/US@EPA, Cynthia Caporale/ESC/R3/USEPA/US@EPA
Cc: Robin Costas/ESC/R3/USEPA/US@EPA, Stevie Wilding/ESC/R3/USEPA/US
Date: 02/24/2012 06:42 AM
Subject: RE: EXTERNAL: Re: Fw: Verification/Completeness Check for Files 12027b_rsk 175.pdf, 12027B_tph_purgeable.pdf and 1202b_extractable.pdf (Posted Feb 13)

Thank you.

From: Richard Bauer [mailto:Bauer.Richard@epamail.epa.gov]
Sent: Thursday, February 23, 2012 5:49 PM
To: Cynthia Caporale; Ex. 4 - CBI
Cc: Robin Costas; Stevie Wilding
Subject: EXTERNAL: Re: Fw: Verification/Completeness Check for Files 12027b_rsk 175.pdf, 12027B_tph_purgeable.pdf and 1202b_extractable.pdf (Posted Feb 13)

Here is response to items in verification check report below (SERAS-001-DSR-021712_Dimock_5).

File 12027b_rsk175.pdf

1) The EPA Region 9 Laboratory was informed at the onset of this project that samples for matrix QC would be designated by the field samplers and that extra sample volume for matrix QC would be provided. For the first set of samples received no samples were designated for matrix QC and no extra volume was provided. The second vial provided for each sample was kept and used as back up for sample analysis (for dilutions, re-analysis, confirmation, etc.) rather than being used for matrix QC. Overall the laboratory received 166 samples for RSK175 for this project (98 "HW" samples plus 68 trip, field and equipment blanks). Although none of the samples in SDG 12027B were designated for lab matrix QC, subsequently eight MS/MSD sets were designated by the field samplers and performed by the lab.

2) Sample results for this SDG were qualified based on method blank results. All detected sample values less than 5X the associated method blank were qualified as estimated "J" and received a comment flag "B1" (note legend for comments and qualifiers on p. 5 of the report). Sample results were **NOT** qualified based on field or trip blanks for this SDG. The EPA Region 9 Laboratory does not follow the National Functional Guideline for its internal review procedures and does not routinely qualify results based on field QC samples. Qualification based on field QC is typically performed during external review and validation of the data. Subsequent to issuance of this report EPA Region 3 requested that we start qualifying results based on trip blanks and field blanks as well as laboratory QC. This was started with SDG 12033A, but was not retroactively applied.

In general we observed low level hits of methane in many of the method, field and trip blanks for the duration of this project. Some well samples had extremely high levels of methane and I think that low level cross contamination may have been prevalent. Applying the NFG rules for external review to raise the quantitation limit for methane may be advisable.

3) Results are flagged based on all QC results, including instrument QC (RSD, %D, etc.). This does not mean that all QC results were within the acceptance criteria listed in the SOP. For example, a CCV or quantitation limit standard that fails high is an indication of possible high bias in associated samples. Non-detect results in samples are not flagged for possible high bias. Our QA plan (attached) provides guidance on flagging in Appendix M.

File 12027b_tph_purgeable.pdf

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File 12027b_tph_extractable.pdf

1) The EPA Region 9 Laboratory was informed at the onset of this project that samples for matrix QC would be designated by the field samplers and that extra sample volume for matrix QC would be provided. For the first set of samples received no samples were designated for matrix QC and no extra volume was provided. The second bottle provided for each sample was kept and used as back up for sample analysis (for dilutions, re-analysis, confirmation, etc.) rather than being used for matrix QC.

Richard Bauer
U.S. EPA Region 9 Laboratory
1337 South 46th Street, Bldg 201
Richmond, CA 94804
(510) 412-2312

From: Cynthia Caporale/ESC/R3/USEPA/US
To: Richard Bauer/R9/USEPA/US@EPA
Cc: Robin Costas/ESC/R3/USEPA/US@EPA, Stevie Wilding/ESC/R3/USEPA/US
Date: 02/17/2012 11:08 AM
Subject: Fw: Verification/Completeness Check for Files 12027b_rsk 175.pdf, 12027B_tph_purgeable.pdf and 1202b_extractable.pdf (Posted Feb 13)

Another one.

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
Fort Meade, MD
(410) 305-2732
Fax: (410) 305-3095

----- Forwarded by Cynthia Caporale/ESC/R3/USEPA/US on 02/17/2012 02:08 PM -----

From: [REDACTED] **Ex. 4 - CBI**
To: Kelley Chase/R3/USEPA/US@EPA, Cynthia Caporale/ESC/R3/USEPA/US@EPA
Cc: John Gilbert/CI/USEPA/US@EPA, Gary Newhart/CI/USEPA/US@EPA, Sella Burchette/ERT/R2/USEPA/US@EPA, [REDACTED] **Ex. 4 - CBI**
[REDACTED] **Ex. 4 - CBI**
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.....is attached for dissolved gases, GRO and DRO/ORO

Ex. 4 - CBI

Lockheed Martin

Scientific, Engineering, Response and Analytical Services (SERAS)

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